

WHELEN[®]

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Installation Guide: Super-LED Traffic Advisor Model(s) TAM65 / TAM85 / TAM85**

Safety First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- **Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.**
- **If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr any holes and remove any metal shards or remnants. Install grommets into all wire passage holes.**
- **If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro™, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.**
- **Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owners manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.**
- **For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post.**
- **If this product uses a remote device to activate or control this product, make sure that this control is located in an area that allows both the vehicle and the control to be operated safely in any driving condition.**
- **Do not attempt to activate or control this device in a hazardous driving situation.**
- **This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.**
- **Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration. Lens in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.**
- **It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.**
- **FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!**

For warranty information regarding this product, visit www.whelen.com/warranty

Mounting:

Note: There are two ways to mount the light array. Both methods require the unit to be secured to the mounting surface using the supplied sheet metal screws. The cable harness can either be routed directly into the mounting surface or routed out the side of the end cap (see illustration below). When facing the L.E.D. display, the cable harness should exit from the right side of the bar.

Note: When routing the wires, it is important to choose a path that will keep these wires away from excessive heat and from any vehicle equipment that could compromise the integrity of the wires (ex. trunk lids, door jams, etc.).

Note: When the traffic advisor is mounted to the rear of the vehicle, the cable exit must be on the passenger side. If not, the flash pattern sequence you choose on the control head will be incorrect. For example, a left flashing pattern will flash right.

1. Position the unit in its proposed mounting location to ensure that it fits properly. With the unit in place, use an awl or other suitable tool and scribe the areas to be drilled, based on the desired style.

Style 1 - Remove the unit from its mounting area and, using a 5/8" drill bit, drill a hole for the cable harness. Affix the 5/8" grommet to the hole and feed the cable harness through the grommet.

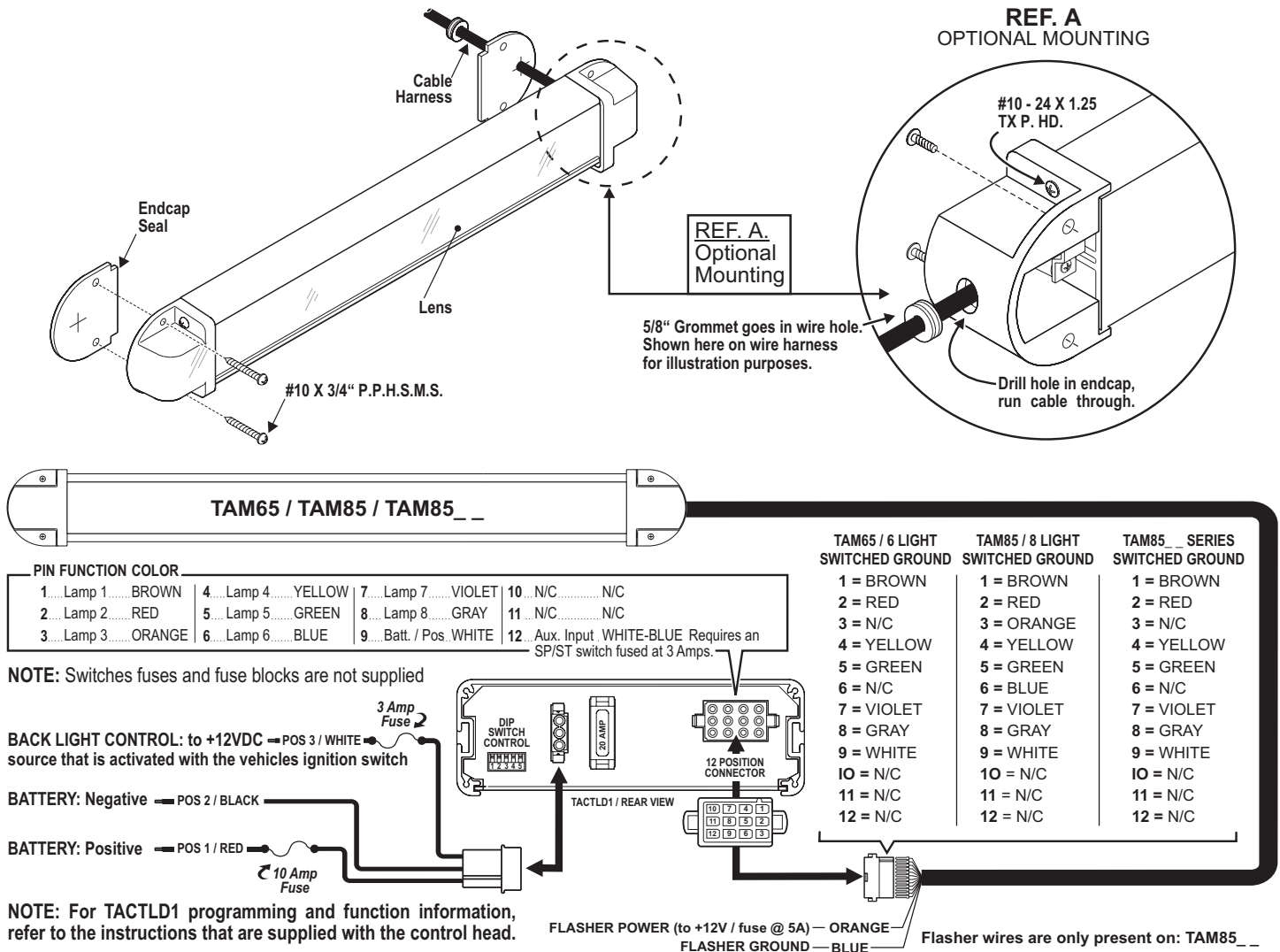
Style 2 (OPTIONAL) - To route the cable harness through the end cap a 5/8" passage hole must be drilled. Remove the endcap from the light array, via the machine screws, as to prevent damage to the cable harness and drill the hole. Place the 5/8" grommet on the hole and feed the cable through. Once this is done, secure the endcap back onto the light array.

2. Using an appropriately sized drill bit, drill a hole in each of the areas scribed in the previous step.
3. Return the unit to its mounting location and using the supplied hardware, mount the unit as shown below.

WARNING! All customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and **FUSED** at the battery to carry that load. **DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!**

Note: Do not install the fuse required in the fuse block, until all wire connections are completed.

Installation is now complete. Refer to the wiring diagram below and the manual that comes with your control head.

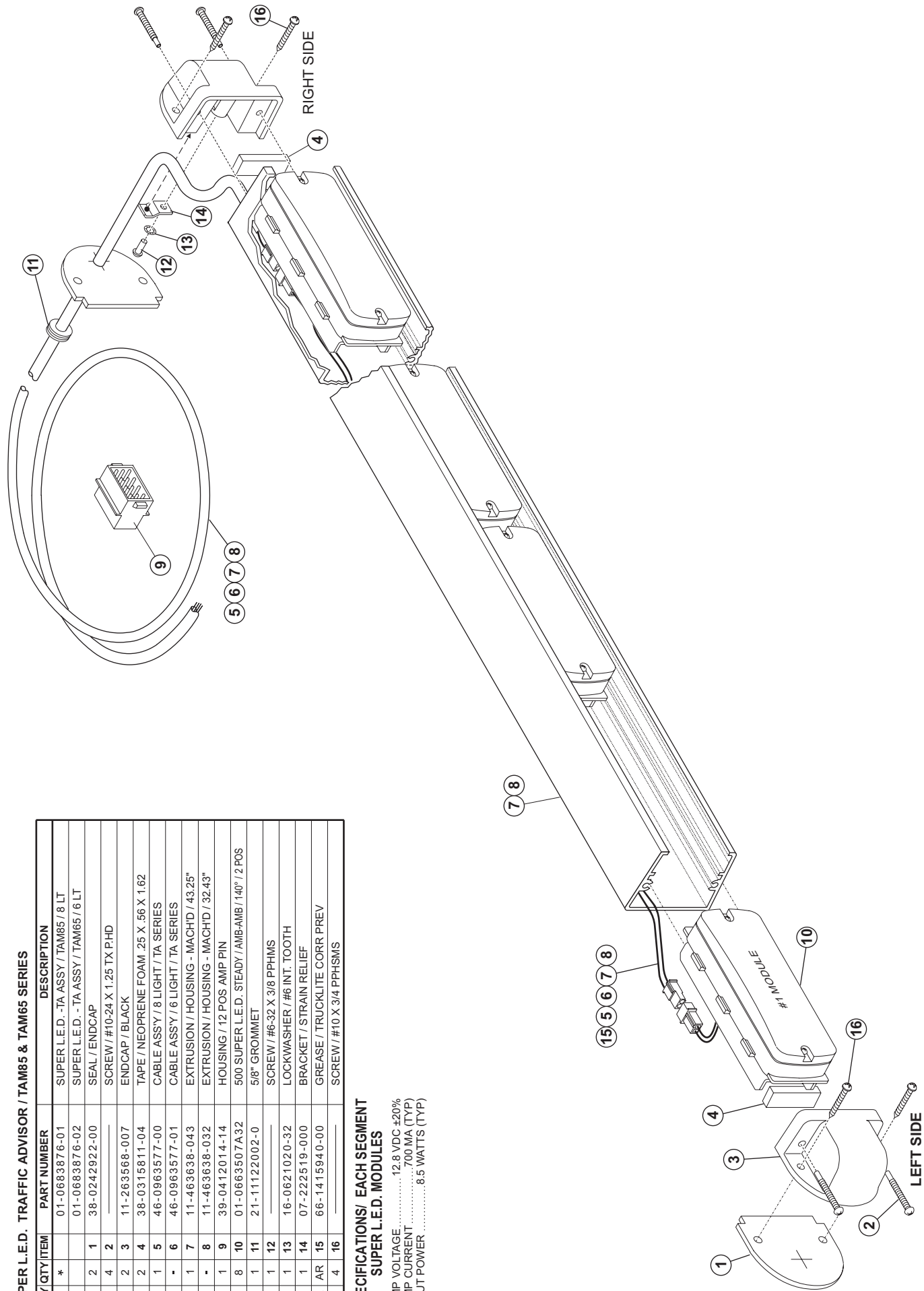


SUPER L.E.D. TRAFFIC ADVISOR / TAM85 & TAM65 SERIES

QTY	ITEM	PART NUMBER	DESCRIPTION
*		01-0683876-01	SUPER L.E.D. -TA ASSY / TAM85 / 8 LT
*		01-0683876-02	SUPER L.E.D. - TA ASSY / TAM65 / 6 LT
2	2	38-0242922-00	SEAL / ENDCAP
4	2		SCREW / #10-24 X 1.25 TX PHD
2	3	11-263568-007	ENDCAP / BLACK
2	4	38-0315811-04	TAPE / NEOPRENE FOAM .25 X .56 X 1.62
-	1	46-0963577-00	CABLE ASSY / 8 LIGHT / TA SERIES
1	-	46-0963577-01	CABLE ASSY / 6 LIGHT / TA SERIES
-	1	11-463638-043	EXTRUSION / HOUSING - MACH'D / 43.25"
1	-	11-463638-032	EXTRUSION / HOUSING - MACH'D / 32.43"
6	8	39-0412014-14	HOUSING / 12 POS AMP PIN
1	10	01-0663507A32	500 SUPER L.E.D. STEADY / AMB-AMB / 140° / 2 POS
1	11	21-11122002-0	5/8" GROMMET
1	12		SCREW / #6-32 X 3/8 PPHMS
1	13	16-0621020-32	LOCKWASHER / #6 INT. TOOTH
1	14	07-222519-000	BRACKET / STRAIN RELIEF
AR	AR	66-1415940-00	GREASE / TRUCKLITE CORR PREV
4	4		SCREW / #10 X 3/4 PPHSMS

**SPECIFICATIONS/ EACH SEGMENT
SUPER L.E.D. MODULES**

LAMP VOLTAGE 12.8 VDC ±20%
 LAMP CURRENT 700 MA (TYP)
 INPUT POWER 8.5 WATTS (TYP)



SUPER L.E.D. TRAFFIC ADVISOR with FLASHERS / TAM85 __ SERIES

QTY	ITEM	PART NUMBER	DESCRIPTION
*		01-066838771	SUPER L.E.D. / T.A. ASSY - TAM85 __
2	1	38-0242922-00	ENDCAP SEAL
4	2		SCREW / #10-24 X 1.25 TX PHD
2	3	11-263568-007	ENDCAP / BLACK
2	4	38-0315811-04	TAPE / NEOPRENE FOAM .25 X .56 X 1.62
AR	5	01-0663507A23	500 SUPER L.E.D. FLASH / AMB-AMB / 140° / 3 POS
AR	6	01-0663507B23	500 SUPER L.E.D. FLASH / BLU-BLU / 140° / 3 POS
AR	7	01-0663507C23	500 SUPER L.E.D. FLASH / CLR-WHT / 140° / 3 POS
AR	8	01-0663507R23	500 SUPER L.E.D. FLASH / RED-RED / 140° / 3 POS
AR	9	01-0663507I23	500 SUPER L.E.D. FLASH / CLR-AMB / 140° / 3 POS
AR	10	01-0663507Z23	500 SUPER L.E.D. FLASH / CLR-BLU / 140° / 3 POS
AR	11	01-0663507523	500 SUPER L.E.D. FLASH / CLR-RED / 140° / 3 POS
1	12	46-0742931-00	HARNASS ASSY / SUPER L.E.D. FLASHER
1	13	11-463638-043	EXTRUSION / HOUSING - MACHD / 43.25"
1	14	46-0963577-01	CABLE ASSY / 6 LIGHT / TA SERIES
1	15	39-0412014-14	HOUSING / 12 POS AMP PIN
6	16	01-0663507A32	500 SUPER L.E.D. STEADY / AMB-AMB / 140° / 2 POS
1	17	39-0402023-04	HOUSING / SOCKET - 2 POS AMP
1	18	21-11122002-0	5/8" GROMMET
1	19		SCREW / #6-32 X 3/8 PPHMS
1	20		LOCKWASHER / #6 INT. TOOTH
1	21	07-222519-000	BRACKET / STRAIN RELIEF
AR	22	68-1963583-10	LENS / OPTIC - LED AMBER
AR	23	68-1963583-20	LENS / OPTIC - LED BLUE
AR	24	68-1963583-30	LENS / OPTIC - LED CLEAR
AR	25	68-1963583-50	LENS / OPTIC - LED RED
AR	26	66-1415940-00	GREASE / TRUCKLITE CORR PREV
4	27		SCREW / #10 X 3/4 PPHMS

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SUPER L.E.D. MODULES**

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LAMP CURRENT700 MA (TYP)
INPUT POWER 8.5 WATTS (TYP)

